Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080421\
Data File : VL037315.D
Acq On : 4 Aug 2021 18:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 04 22:35:06 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
QLast Update : Wed Aug 04 22:14:21 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Manual Integrations APPROVED
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8/5/2021 1:39:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1262294	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4023338	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3702366	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2554746	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	319908	1.334	ppbv		99
3) Chlorodifluoromethane	2.98	51	281215	1.088	ppbv		99
4) Chloromethane	3.14	50	100995	1.102	ppbv		99
5) Vinyl Chloride	3.25	62	101996	1.020	ppbv		94
6) Bromomethane	3.47	94	63092m	1.196	ppbv		
7) Chloroethane	3.55	64	36532	1.181	ppbv		94
8) Dichlorotetrafluoroethane	3.18	85	266226	1.136	ppbv		98
9) Propene	3.01	41	102542	1.117	ppbv		99
10) Heptane	8.11	43	244042	1.114	ppbv		100
11) Trichlorofluoromethane	3.94	101	260687	1.108	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	185615	1.079	ppbv		98
13) Ethanol	3.62	45	12170m	1.340	ppbv		
14) Bromoethene	3.74	108	81262	1.071	ppbv	#	97
15) Acetone	3.86	43	168014	1.206	ppbv	#	77
16) 1,3-Butadiene	3.32	39	93905	1.057	ppbv		97
17) tert-Butyl alcohol	4.33	59	141694	1.301	ppbv		96
18) 1,1-Dichloroethene	4.28	96	84146	1.081	ppbv		88
19) Isopropyl Alcohol	3.99	45	74449	1.062	ppbv	#	90
20) Methylene Chloride	4.34	84	143721	1.251	ppbv		90
21) Allyl Chloride	4.40	41	108640	1.146	ppbv		92
22) trans-1,2-Dichloroethene	4.88	96	71093	0.989	ppbv		93
23) Vinyl Acetate	5.08	43	187990m	0.904	ppbv		
24) 1,1-Dichloroethane	5.01	63	193566	1.114	ppbv	#	98
25) Ethyl Acetate	5.68	43	394598	1.230	ppbv		98
26) Hexane	5.68	57	233411	1.152	ppbv		88
27) Carbon Disulfide	4.55	76	162616	0.999	ppbv	#	95
28) Methyl tert-Butyl Ether	5.04	73	230454	1.129	ppbv		98
29) Chloroform	5.74	83	274172	1.070	ppbv		95
30) Cyclohexane	7.12	84	165920	1.191	ppbv	#	74
31) cis-1,2-Dichloroethene	5.54	61	169208	1.198	ppbv		93
32) 1,1,1-Trichloroethane	6.50	97	253177	1.112	ppbv		96
34) 2-Butanone	5.25	43	146764	1.035	ppbv	#	82
35) Carbon Tetrachloride	7.01	117	261404	1.052	ppbv		97
36) Benzene	6.88	78	400292	1.096	ppbv		98
37) 1,2-Dichloroethane	6.29	62	175907	1.032	ppbv		99
38) Trichloroethene	7.82	130	163696	1.042	ppbv		98
39) 1,2-Dichloropropane	7.61	63	146834	1.243	ppbv		94
40) 1,4-Dioxane	7.86	88	45978m	2.539	ppbv		
41) Tetrahydrofuran	6.07	42	86691m	1.459	ppbv		
42) Bromodichloromethane	7.78	83	273338	1.070	ppbv	#	95
43) Methyl Methacrylate	8.01	69	135788	1.203	ppbv		96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	679313	1.124	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	90924	0.994	ppbv		100
46) cis-1,3-Dichloropropene	8.69	75	142548	1.008	ppbv		98
47) 1,1,2-Trichloroethane	9.47	97	157516m	1.228	ppbv		
48) Dibromochloromethane	10.29	129	225532	1.034	ppbv		97
49) Bromoform	13.02	173	167315	0.998	ppbv		96
50) 4-Methyl-2-Pentanone	8.77	43	234663	1.151	ppbv		99
51) 2-Hexanone	10.17	43	100910m	1.482	ppbv		
52) Tetrachloroethene	11.21	164	166601m	1.264	ppbv		
53) Toluene	9.80	91	481258	1.114	ppbv		99
54) 1,2-Dibromoethane	10.60	107	218811	1.171	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.11	131	176325	1.089	ppbv	#	1
57) Chlorobenzene	12.13	112	351773	1.119	ppbv		95
58) Ethyl Benzene	12.70	91	608178	1.114	ppbv		99
59) m/p-Xylene	12.98	91	1011040m	3.377	ppbv		
60) o-Xylene	13.68	91	486539	1.153	ppbv		93
61) Styrene	13.51	104	255514	1.105	ppbv		97
62) Isopropylbenzene	14.65	105	690092	1.276	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.66	83	304676	1.212	ppbv		96
64) n-propylbenzene	15.55	120	177818	1.113	ppbv		98
65) tert-Butylbenzene	16.73	119	629675	1.238	ppbv		99
66) Benzyl Chloride	16.98	91	20172m	0.195	ppbv		
67) sec-Butylbenzene	17.27	105	840630m	1.240	ppbv		
69) p-Isopropyltoluene	17.64	119	704106	1.107	ppbv		99
70) n-Butylbenzene	18.54	91	621303	1.069	ppbv		99
71) 2-Chlorotoluene	15.44	91	470809	1.100	ppbv		99
72) 4-Ethyltoluene	15.82	105	553936	1.097	ppbv		100
73) 1,3,5-Trimethylbenzene	15.99	105	488566	1.072	ppbv		95
74) 1,2,4-Trimethylbenzene	16.75	105	535335	1.100	ppbv		93
75) 1,3-Dichlorobenzene	16.98	146	308345	1.028	ppbv		96
76) 1,4-Dichlorobenzene	17.12	146	301254	1.043	ppbv		97
77) 1,2-Dichlorobenzene	17.80	146	304157	1.062	ppbv		98
78) Hexachloro-1,3-Butadiene	23.36	225	283970	1.255	ppbv		99
79) Naphthalene	22.18	128	410452	0.989	ppbv		99
80) Naphthalene,2-methyl-	24.97	142	29152m	0.445	ppbv		
81) 1,2,4-Trichlorobenzene	21.91	180	261200m	1.215	ppbv		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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